

CLAIMS

[1] A magnetic encoder comprising:

a magnet portion substantially in a circular ring shape magnetized in mutlipoles in a circumferential direction, wherein

the magnet portion includes a magnetic member and a resin.

[2] The magnetic encoder according to Claim 1, wherein the resin is a thermoplastic resin.

[3] The magnetic encoder according to Claim 2, wherein the thermoplastic resin includes a thermoplastic resin at least having a soft segment in a molecule.

[4] The magnetic encoder according to Claim 1, further comprising:

a fixed member including a magnetic material attached with the magnet portion, wherein

the magnet portion and the fixed member are bonded by an adhering agent including at least one of a phenole resin based and an epoxy resin based.

[5] The magnetic encoder according to any one of Claims 2 through 4, wherein

the magnet portion is formed by injection molding.

[6] The magnetic encoder according to Claim 5, wherein the injection molding is of a disk gate type.

[7] A bearing comprising:

a fixed ring,

a rotating ring,

a plurality of rolling members rollably arranged in a circumferential direction between the fixed ring and the rotating ring, and

the magnetic encoder according to any one of Claims 1 through 6 in which the fixed member is fixed to the rotating ring.

[8] The bearing according to Claim 7, wherein the bearing is a bearing for a wheel.